



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 11/19/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LES JIMFRE CLAIMS

ALTERNATE NAMES:

GREENFIELD STATE LEASE
CARLSON
FERNSTROM
CUMMINS

PIMA COUNTY MILS NUMBER: 70

LOCATION: TOWNSHIP 21 S RANGE 7 E SECTION 4 QUARTER NE
LATITUDE: N 31DEG 38MIN 04SEC LONGITUDE: W 111DEG 37MIN 37SEC
TOPO MAP NAME: PRESUMIDO PEAK - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

TUNGSTEN
FLUORINE FLUORSPAR
BERYLLIUM

BIBLIOGRAPHY:

S.B. KEITH, AZBM BULL. 189, P. 109, 1974
ADMMR LES JIMFRE FILE

LES JIMFRE MINE

PIMA COUNTY

RI 5650 p. 105

See: ABM Bull. 180, p. 107

RI 6828, p. 59

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Les Jimfre Mine

Date Mar. 21, 1955

District Papago Chief Mining Dist., Pima County

Engineer Axel L. Johnson

Subject: Present Status. Personal Visit. Owner could not be located for consultation.

Location Approximately Sec. 34 or 35 -- T 20 S -- R 7 E. Take road NE from Arivaca for 12 miles to intersection with the Three Points--Sasabe Road. Turn left (south) on the Sasabe Road and drive 2.7 miles to the Rancho del Quivari road sign. Turn right (west), at this point and drive on the Rancho del Quivari road for a distance of 6 miles. Turn right (north) and drive 2.4 miles to the mine. Road is in very good condition.

Number of Claims 1 unpatented claim (no other claims, as far as I know)

On the location monument, 2 location notices were found. One, in a can near the bottom of the monument, gave the name 'Big Squaw', the date as Mar. 24, 1948, and the locators as J. R. Cummins and William M. McCulbert (last name hard to decipher). The other location notice was found in a can near the top of the monument, giving the name 'Les Jimfre', the date as April 12, 1953, and the locators as L. G. Fernstrom, J. R. Cummins, and F. R. Carlson. The name 'Les Jimfre' is, evidently composed of an abbreviation of the first names of these 3 locators.

Owners Apparently the last 3 named locators----L. G. Fernstrom, J. R. Cummins, and F. R. Carlson, although one or both of the last named locators could have sold out their interest to Lester Fernstrom.

Operators Mine has been operated by Lester Fernstrom until quite recently.

Principal Metals and Minerals Tungsten ore in the form of scheelite.

Production Rate No production at present, as mine is closed down. Previous production rate is undeterminable. I understand that it was operated intermittently, as the operators deemed to be advisable.

Topography The mine lies in a rather flat terrain, and is located just east of the bottom slopes of the Baboquivari Mts.

Geology The country rock is a micaceous schist, containing a considerable amount of sericite, with some biotite and chlorite. It is quite finely grained, white to brownish black in color, and numerous fractures are found in same. The tungsten ore is found in and along these fractures, and in shattered and broken areas in the schist, principally in a soft, white, clay-like material, resembling montmorillonite, found in the cracks and shattered portions of the schist. This material is apparently formed from the alteration of the feldspars in the schist.

Ore Values On examination with a black light, the ore appears to be low in grade, and consisting mostly of powellite. However, I showed a sample of same to George Roseveare of the Arizona Bureau of Mines. Mr. Roseveare states (1) material is apt to be scheelite, as some types of scheelite have an orange ~~fluorescence~~ fluorescence, much resembling that of powellite, (2) material seems to be low grade, and does not seem to be commercial, & (3) the milling recovery by tabling would not run over 60%.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Page 2.

Mine Les Jimfre Mine

Date Mar. 21, 1955

District Papago Chief Mining Dist., Pima Co.

Engineer Axel L. Johnson

Subject: Present Status. Personal Visit. Owners could not be located for consultation.
(continued from previous page)

Ore in Sight and Probable A very small amount of ore exposed. Ore is exposed in the bottom of the open cuts, described under "Mine Workings", and in the breasts of the two larger open cuts. About 70 tons of ore is left in the stockpiles.

Milling and Marketing Facilities None at present. The Fernstrom mill, which formerly was located about 3/4 miles west of Arivaca, has now been dismantled and removed, and the milling equipment has been stored in the back yard of Lester Fernstrom residence at Arivaca. Arivaca residents state that the mill was dismantled and moved about 10 days ago, which would be about Mar. 11. The owner of the mill and mine, Lester Fernstrom, was not at home, and could not be reached for consultation, but Mrs. Fernstrom informed me that the milling equipment is now sold, and that Mr. Fernstrom is quitting the mining business. (Also see my separate report of the Fernstrom mill under date of March 21, 1955.)

Mine Workings

- (1) 1 vertical shaft ---17 1/2 ft. deep, equipped with a hand windlass. No drifts or stopes from same. Rock material micaceous schist. Apparently, no ore has been mined from same. This shaft is located about 40 ft. NW of the location monument.
- (2) 1 main open cut ----40 to 100 ft. east of the location monument. Main open cut made with a bulldozer, the rock being pushed to the north and south sides of the cut, and the ore being either removed directly or stockpiled on the east side of the open cut. This open cut is 100 ft. long, 60 ft. wide, and a maximum of 10 ft. deep. Average depth, however, would be about 3 ft. It would appear that about 1400 tons of material was moved from this cut, and not more than 25 % of this could have been ore---or a maximum of 350 tons. A stockpile of ore from this cut on east side formerly contained about 150 tons (now 6
- (3) Open cut in bottom of main cut ----20' x 9' x 7' deep. Material micaceous schist with fissures of the white clay-like material. Cut has the appearance of not being worked recently.
- (4) Open cut in bottom of main cut ----22' x 10' x 4' deep. Material a badly shattered and decomposed micaceous schist with a considerable amount of the white clay-like material. Some recent work in the end and right side of this cut.
- (5) Open cut in bottom of main cut ----5' x 6' x 3' deep. Same material as (4)
- (6) Open cut in bottom of main cut ----7' x 8' x 3' deep. Same material as (4)
- (7) Open cut in bottom of main cut ----7' x 5' x 4' deep. Material nearly all white clay, and stockpiled in a pile next to cut. Worked recently.

Estimate of tonnage of ore removed

- (1) Shaft ---- no ore
- (2) Main open cut ----- 350 tons max, of which about 150 tons was stockpiled, and 90 tons later removed from this stockpile, leaving about 60 tons remaining in stockpile.
- (3) Open cut ----- 50 tons of ore removed (max)
- (4) Open cut ----- 40 tons of ore removed (max)
- (5) Open cut ----- 5 tons of ore removed (max)
- (6) Open cut ---- 10 tons of ore removed (max)
- (7) Open cut ----- 10 tons of ore stockpiled (max).

This gives a total of 395 tons (max), which could have been shipped from this mine, and a total of about 70 tons remaining in the two stockpiles. The mine has, apparently, been worked intermittently and on a small scale.